Rong Yin

List of Publications by Year
in descending order

17 papers	**205** citations	1163117 **8** h-index	1125743 **13** g-index
19 all docs	**19** docs citations	**19** times ranked	**126** citing authors

#	Article	IF	Citations
1	Wearable Actuators: An Overview. Textiles, 2021, 1, 283-321.	4.1	27
2	Wireless Multistimulus–Responsive Fabric–Based Actuators for Soft Robotic, Human–Machine Interactive, and Wearable Applications. Advanced Materials Technologies, 2020, 5, 2000341.	5.8	21
3	Investigation and evaluation on fine Upland cotton blend yarns made by the modified ring spinning system. Textile Reseach Journal, 2015, 85, 1355-1366.	2.2	20
4	Mathematical Modeling of Yarn Dynamics in a Generalized Twisting System. Scientific Reports, 2016, 6, 24432.	3.3	18
5	Programmable and Thermally Hardening Composite Yarn Actuators with a Wide Range of Operating Temperature. Advanced Materials Technologies, 2020, 5, 2000329.	5.8	17
6	Yarn and fabric properties in a modified ring spinning system considering the effect of the friction surface of the false-twister. Textile Reseach Journal, 2020, 90, 572-580.	2.2	13
7	Viable approaches to increase the throughput of ring spinning: A critical review. Journal of Cleaner Production, 2021, 323, 129116.	9.3	13
8	Variation of false twist on spinning process stability and resultant yarn properties in a modified ring spinning frame. Textile Reseach Journal, 2018, 88, 1876-1892.	2.2	10
9	Mathematical modeling and numerical simulation of nonlinearly elastic yarn in ring spinning. Textile Reseach Journal, 2021, 91, 278-288.	2.2	10
10	Accurate prediction of the ring–spinning equation in zero air drag based on homotopy perturbation method. Journal of the Textile Institute, 2011, 102, 763-766.	1.9	7
11	Systematic investigation of twist generation and propagation in a modified ring spinning system. Textile Reseach Journal, 2020, 90, 367-375.	2.2	7
12	The Bio-inspired Study of Homogeneous Composite Materials. Journal of Composite Materials, 2011, 45, 113-125.	2.4	6
13	Solar Energy Storage Silks via Coaxial Wet Spinning. , 2020, 2, 801-807.		6
14	Highly Sensitive and Durable Structured Fibre Sensors for Low-Pressure Measurement in Smart Skin. Sensors, 2019, 19, 1811.	3.8	5
15	A theoretical model to investigate the performance of cellulose yarns constrained to lie on a moving solid cylinder. Cellulose, 2020, 27, 9683-9698.	4.9	5
16	A relative hairiness index for evaluating the securities of fiber ends in staple yarns and its application. Textile Reseach Journal, 2022, 92, 356-367.	2.2	3
17	Artificial Parameter Perturbation Method and Parameter-Expansion Method Used in Accurate Prediction of the Ring-Spinning Balloon in Zero Air Drag. , 2010, , .		2